

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L6	406544	ultrasonic sound sonic	US-PGPUB; USPAT	OR	ON	2006/05/08 05:04
L7	735230	transducer sensor	US-PGPUB; USPAT	OR	ON	2006/05/08 05:04
L8	325407	membrane diaphragm	US-PGPUB; USPAT	OR	ON	2006/05/08 05:05
L9	418694	membrane diaphragm	US-PGPUB; USPAT	OR	ON	2006/05/08 05:06
L10	52843	6 with 7	US-PGPUB; USPAT	OR	ON	2006/05/08 05:06
L11	9682	9 and 10	US-PGPUB; USPAT	OR	ON	2006/05/08 05:17
L12	186229	nitride	US-PGPUB; USPAT	OR	ON	2006/05/08 05:06
L13	759	11 and 12	US-PGPUB; USPAT	OR	ON	2006/05/08 05:06
L14	847558	substrate	US-PGPUB; USPAT	OR	ON	2006/05/08 05:22
L15	624	13 and 14	US-PGPUB; USPAT	OR	ON	2006/05/08 05:23
L16	513139	gate	US-PGPUB; USPAT	OR	ON	2006/05/08 05:07
L17	180	15 and 16	US-PGPUB; USPAT	OR	ON	2006/05/08 05:07
L18	65	17 and @ad<"20020528"	US-PGPUB; USPAT	OR	ON	2006/05/08 05:23
L19	315	15 and @ad<"20020528"	US-PGPUB; USPAT	OR	ON	2006/05/08 05:18
L20	250	19 not 18	US-PGPUB; USPAT	OR	ON	2006/05/08 05:18
L21	2549	11 and 14	US-PGPUB; USPAT	OR	ON	2006/05/08 05:35
L22	630	16 and 21	US-PGPUB; USPAT	OR	ON	2006/05/08 05:18
L23	310	22 and @ad<"20020528"	US-PGPUB; USPAT	OR	ON	2006/05/08 06:06
L24	245	23 not 20 not 19 not 18	US-PGPUB; USPAT	OR	ON	2006/05/08 05:23
L25	2	("4571661" "6430109").PN.	US-PGPUB; USPAT	OR	ON	2006/05/08 05:22
L26	902436	substrate wafer	US-PGPUB; USPAT	OR	ON	2006/05/08 05:22

## EAST Search History

L27	660	13 and 26	US-PGPUB; USPAT	OR	ON	2006/05/08 05:23
L28	336	27 and @ad<"20020528"	US-PGPUB; USPAT	OR	ON	2006/05/08 05:36
L29	21	28 not 24 not 23 not 20 not 19 not 18	US-PGPUB; USPAT	OR	ON	2006/05/08 05:36
L30	2762	11 and 26	US-PGPUB; USPAT	OR	ON	2006/05/08 05:37
L31	624	15 and 30	US-PGPUB; USPAT	OR	ON	2006/05/08 05:35
L32	315	31 and @ad<"20020528"	US-PGPUB; USPAT	OR	ON	2006/05/08 05:37
L33	0	32 not 29 not 28 not 24 not 23 not 20 not 19 not 18	US-PGPUB; USPAT	OR	ON	2006/05/08 05:50
L34	69	30 and "438"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/05/08 05:49
L35	34	34 and @ad<"20020528"	US-PGPUB; USPAT	OR	ON	2006/05/08 06:40
L36	11	("5083857"   "5285131"   "5314572"   "5493177"   "5573679"   "5578976"   "5683591"   "5798283"   "5834333"   "6238580"   "6441451").PN. OR ("7008812").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/08 05:44
L37	170	30 and "257"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/05/08 05:49
L38	101	37 and @ad<"20020528"	US-PGPUB; USPAT	OR	ON	2006/05/08 05:49
L39	34	38 not 32 not 29 not 28 not 24 not 23 not 20 not 19 not 18	US-PGPUB; USPAT	OR	ON	2006/05/08 06:06
L40	908	(438/52-53).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/05/08 06:05
L41	633	40 and @ad<"20020528"	US-PGPUB; USPAT	OR	ON	2006/05/08 06:06
L42	622	41 not 39 not 38 not 32 not 29 not 28 not 24 not 23 not 20 not 19 not 18	US-PGPUB; USPAT	OR	ON	2006/05/08 06:06
L43	33	("3861024"   "5025346"   "5190637"   "5440152"   "5491604"   "5537083"   "5569968"   "5576251"   "5651900"   "5660680"   "5839062"   "5919364"   "6033974"   "6064081").PN. OR ("6448622").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/08 06:38
L44	4	(("5025346") or ("5491604") or ("5537083") or ("5839062")).PN.	US-PGPUB; USPAT	OR	OFF	2006/05/08 06:40
L45	142	cmut	US-PGPUB; USPAT	OR	ON	2006/05/08 06:40

## EAST Search History

L46	40	45 and @ad<"20020528"	US-PGPUB; USPAT	OR	ON	2006/05/08 06:40
L47	26	("4262399"   "4432007"   "5345940"   "5415175"   "5438998"   "5479042"   "5560362"   "5619476"   "5651365"   "5701901"   "5724976"   "5743855"   "5744898"   "5760530"   "5792058"   "5846205"   "5870351"   "5876345"   "5894452"   "5982709"   "6004832"   "6251074"   "6328697").PN. OR ("6645145").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/08 06:44
S1	1	10/720498	US-PGPUB; USPAT	OR	ON	2006/05/07 21:40
S2	3	10/161191	US-PGPUB; USPAT	OR	ON	2005/11/16 13:22
S3	122	cmut	US-PGPUB; USPAT	OR	ON	2005/11/16 13:23
S4	40	S3 and @ad<"20020528"	US-PGPUB; USPAT	OR	ON	2006/05/08 05:07
S5	892	tensil	US-PGPUB; USPAT	OR	ON	2005/11/16 14:25
S6	179937	tensile	US-PGPUB; USPAT	OR	ON	2005/11/16 14:25
S7	486158	gate	US-PGPUB; USPAT	OR	ON	2005/11/16 14:25
S8	227	S6 near5 S7	US-PGPUB; USPAT	OR	ON	2005/11/16 14:25
S9	899566	channel	US-PGPUB; USPAT	OR	ON	2005/11/16 14:26
S10	655	S6 near5 S9	US-PGPUB; USPAT	OR	ON	2005/11/16 14:26
S11	81	S8 and S10	US-PGPUB; USPAT	OR	ON	2005/11/16 14:27
S12	54	S11 and @ad<"20040303"	US-PGPUB; USPAT	OR	ON	2005/11/16 14:27
S13	98212	cmos	US-PGPUB; USPAT	OR	ON	2005/11/16 14:27
S14	32	S12 and S13	US-PGPUB; USPAT	OR	ON	2005/11/16 14:28
S15	173807	nitride	US-PGPUB; USPAT	OR	ON	2005/11/16 14:28
S16	26735	S7 with S15	US-PGPUB; USPAT	OR	ON	2005/11/16 14:28
S17	19	S14 and S16	US-PGPUB; USPAT	OR	ON	2005/11/16 14:28

## EAST Search History

S18	20	S4 and S15	US-PGPUB; USPAT	OR	ON	2005/11/16 15:00
S19	16481	lpcvd	US-PGPUB; USPAT	OR	ON	2005/11/16 15:00
S20	1727963	temperature	US-PGPUB; USPAT	OR	ON	2005/11/16 15:02
S21	826	S15 with S19 with S20	US-PGPUB; USPAT	OR	ON	2005/11/16 15:40
S22	438218	membrane diaphragm cantilever	US-PGPUB; USPAT	OR	ON	2005/11/16 15:05
S23	2681	S15 with S22	US-PGPUB; USPAT	OR	ON	2005/11/16 15:05
S24	39	S21 and S23	US-PGPUB; USPAT	OR	ON	2005/11/16 15:05
S25	34	S24 and @ad<"20020528"	US-PGPUB; USPAT	OR	ON	2005/11/16 15:41
S26	619149	gate transistor	US-PGPUB; USPAT	OR	ON	2005/11/16 15:38
S27	4	S25 and S26	US-PGPUB; USPAT	OR	ON	2005/11/16 15:38
S28	2612	S15 same S19 same S20	US-PGPUB; USPAT	OR	ON	2005/11/16 15:41
S29	114	S28 and S23	US-PGPUB; USPAT	OR	ON	2005/11/16 15:41
S30	78	S29 and @ad<"20020528"	US-PGPUB; USPAT	OR	ON	2005/11/16 15:41
S31	22	S26 and S30	US-PGPUB; USPAT	OR	ON	2005/11/16 15:41
S32	174101	nitride	US-PGPUB; USPAT	OR	ON	2005/11/17 07:00
S33	16509	lpcvd	US-PGPUB; USPAT	OR	ON	2005/11/17 07:00
S34	1730037	temperature	US-PGPUB; USPAT	OR	ON	2005/11/17 07:00
S35	438875	membrane diaphragm cantilever	US-PGPUB; USPAT	OR	ON	2005/11/17 07:00
S36	2689	S32 with S35	US-PGPUB; USPAT	OR	ON	2005/11/17 07:00
S37	619920	gate transistor	US-PGPUB; USPAT	OR	ON	2005/11/17 07:00
S38	2615	S32 same S33 same S34	US-PGPUB; USPAT	OR	ON	2005/11/17 07:00
S39	114	S38 and S36	US-PGPUB; USPAT	OR	ON	2005/11/17 07:00

## EAST Search History

S40	78	S39 and @ad<"20020528"	US-PGPUB; USPAT	OR	ON	2005/11/17 07:18
S41	22	S37 and S40	US-PGPUB; USPAT	OR	ON	2005/11/17 07:00
S42	2330	(438/48-54).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/11/17 07:17
S43	178	S36 and S42	US-PGPUB; USPAT	OR	ON	2005/11/17 07:17
S44	20652	S32 with S34	US-PGPUB; USPAT	OR	ON	2005/11/17 07:18
S45	37	S43 and S44	US-PGPUB; USPAT	OR	ON	2005/11/17 07:18
S46	26	S45 and @ad<"20020528"	US-PGPUB; USPAT	OR	ON	2005/11/17 09:13
S47	9	S37 and S46	US-PGPUB; USPAT	OR	ON	2005/11/17 09:12
S48	41059	mem mems	US-PGPUB; USPAT	OR	ON	2005/11/17 09:12
S49	563	S44 and S48	US-PGPUB; USPAT	OR	ON	2005/11/17 09:12
S50	299	S37 and S49	US-PGPUB; USPAT	OR	ON	2005/11/17 09:12
S51	237543	capacitance capacitive	US-PGPUB; USPAT	OR	ON	2005/11/17 09:13
S52	89	S50 and S51	US-PGPUB; USPAT	OR	ON	2005/11/17 09:13
S53	38	S52 and @ad<"20020528"	US-PGPUB; USPAT	OR	ON	2005/11/17 09:30
S54	438875	membrane diaphragm cantilever	US-PGPUB; USPAT	OR	ON	2005/11/17 09:29
S55	750074	oxide	US-PGPUB; USPAT	OR	ON	2005/11/17 09:29
S56	8651	S54 with S55	US-PGPUB; USPAT	OR	ON	2005/11/17 09:29
S57	107759	S34 with S55	US-PGPUB; USPAT	OR	ON	2005/11/17 09:30
S58	1965	S56 and S57	US-PGPUB; USPAT	OR	ON	2005/11/17 09:30
S59	81	S37 and S51 and S58	US-PGPUB; USPAT	OR	ON	2005/11/17 09:30
S60	53	S59 and @ad<"20020528"	US-PGPUB; USPAT	OR	ON	2005/11/17 11:12
S61	1	("6632178").PN.	US-PGPUB; USPAT	OR	OFF	2005/11/17 10:56

## EAST Search History

S62	1	("6012336").PN.	US-PGPUB; USPAT	OR	OFF	2005/11/17 11:10
S63	4112	S35 with S51	US-PGPUB; USPAT	OR	ON	2005/11/17 11:10
S64	406	S36 and S63	US-PGPUB; USPAT	OR	ON	2005/11/17 11:11
S65	783500	oxide nitride	US-PGPUB; USPAT	OR	ON	2005/11/17 11:11
S66	119313	S34 with S65	US-PGPUB; USPAT	OR	ON	2005/11/17 11:12
S67	34	S37 and S64 and S66	US-PGPUB; USPAT	OR	ON	2005/11/17 11:12
S68	23	S67 and @ad<"20020528"	US-PGPUB; USPAT	OR	ON	2005/11/17 11:18
S69	1	("20050063244").PN.	US-PGPUB; USPAT	OR	ON	2005/11/17 11:21
S70	2	(("6548841") or ("6809462")).PN.	US-PGPUB; USPAT	OR	OFF	2005/11/17 11:21
S71	11	("5103279"   "5381300"   "5449626").PN. OR ("5684324"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/17 11:41
S72	11	("4507705"   "4571661").PN. OR ("4672849").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/17 12:46
S73	1	("5688724").PN.	US-PGPUB; USPAT	OR	OFF	2005/11/17 13:39
S74	1	("4672849").PN.	US-PGPUB; USPAT	OR	OFF	2005/11/17 13:47
S75	9	((("4571661") or ("6430109") or ("4507705") or ("5633552") or ("4672849") or ("6768403") or ("6632178") or ("5914507") or ("5693181")).PN.	US-PGPUB; USPAT	OR	OFF	2005/11/17 13:48
S76	186229	nitride	US-PGPUB; USPAT	OR	ON	2006/05/07 15:56
S77	1803527	temperature	US-PGPUB; USPAT	OR	ON	2006/05/07 15:56
S78	461566	membrane diaphragm cantilever	US-PGPUB; USPAT	OR	ON	2006/05/07 15:56
S79	2862	S76 with S78	US-PGPUB; USPAT	OR	ON	2006/05/07 15:56
S80	2518	(438/48-54).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/05/07 15:56
S81	188	S79 and S80	US-PGPUB; USPAT	OR	ON	2006/05/07 15:56

## EAST Search History

S82	21783	S76 with S77	US-PGPUB; USPAT	OR	ON	2006/05/07 15:56
S83	37	S81 and S82	US-PGPUB; USPAT	OR	ON	2006/05/07 15:56
S84	26	S83 and @ad<"20020528"	US-PGPUB; USPAT	OR	ON	2006/05/07 15:57
S85	513139	gate	US-PGPUB; USPAT	OR	ON	2006/05/07 15:56
S86	660	S80 and S85	US-PGPUB; USPAT	OR	ON	2006/05/07 15:57
S87	374	S86 and @ad<"20020528"	US-PGPUB; USPAT	OR	ON	2006/05/07 16:48
S88	31	("5326726"   "5337606"   "5343064"   "5417111"   "5470797").PN. OR ("5550090").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/07 16:36
S89	3	("5372930"   "5550090"   "5807758").PN. OR ("6933164").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/07 16:44
S90	11	("4020830"   "4411741"   "5004700"   "5035791"   "5350701"   "5417821"   "5576563").PN. OR ("5693545").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/07 16:44
S91	2	("5798283"   "6087701").PN. OR ("6346429").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/07 16:45
S92	6	("5059543"   "6163061"   "6194312"   "6305840"   "6329217").PN. OR ("6541298").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/07 16:46
S93	3	("4812888"   "4873871"   "5103279").PN. OR ("6645800").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/07 16:47
S94	5	("4533795"   "4558184"   "5573679"   "5684324"   "6479878").PN. OR ("6677176").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/07 16:48
S95	150	cmut	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/07 16:48
S96	40	S95 and @ad<"20020528"	US-PGPUB; USPAT	OR	ON	2006/05/07 16:49
S97	22	("3761784").PN. OR ("4571661").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/07 21:13
S98	29	("2576489"   "2866141"   "4317611"   "4420790").PN. OR ("4507705").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/07 21:20

## EAST Search History

S99	5	("4533795"   "4558184"   "5573679"   "5684324"   "6479878").PN. OR ("6677176").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/07 21:26
S10 0	4	10/161191	US-PGPUB; USPAT	OR	ON	2006/05/07 21:50
S10 1	5	("20020057486"   "5808797"   "6356378"   "6569717"   "6798550").PN. OR ("6967760").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/07 21:50